BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Dividion, Yelahanka Zone

Executive Engineer
yelahanka Division
B.B.M.P. Bengaluru-64

APPORVED SCHEDULE -B

Name of Work: Construction of RCC Drains And Culvers at BHEL Layout, Ayyappa Layout and Surrounding Area in Ward No:03, Yelahanka Satellite Town Sub Division .

Sl	Description	Unit	Approved Qty	Approved Rate Technical Manager (west) KRIDL, BBMP.	
				Rate	Rate in Words
1	KSRRB300-1. Earthwork excavation by manual means for Drains and similar works in ordinar soil excavated surface levelled and sides neatly dressed, the dispossed earth to be levelled neatly after breaking of clods completed as per specifications. KPWD S.R 2018-19.	Cum	1681.94	211.79	Rupees Two Hundred Eleven And Painse seventy Nine only
2	KSRRB M2900-1. Plain cement concrete M10 mix with crushed stone aggregates 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing including cost of materials, labour,HOM completed as per specifications	Cum	291.67	4479.56	Rupees Four Thousand Four Hundred Seventy Seven And Paise Fifty six only
3	KSRRB M2200-6. Providing TMT Bars Fe 500 steel reinforcement for RCC work including Straightening, cutting, bending, hooking, placing in position, lapping and/or welding whereever required, tying with binding wire and anchoring to the adjoining members whereever necessary completed as per design ans specification.	Ton	37.88	72326.98	Seventy Two Thousand Three hundred twenty six and paise ninty eight only
4	providing and laying plain/reinforced cement concrete foe drain walls and bottom thickness 15cm using M20 nominal mix concrete with OPC at 300kgs. With 20mm and down size granite metal coarse aggregates at 0.69cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centring, shuttering, cost of materials, HOM of machinery, curing etc., completed as per specification.	Cum	576.77	7070.20	Rupees seven thousand seventy and paise twenty only
5	supplying and fixing precast reinforced concrete slab 100mm thick of mix M20 using 20mm and downside graded granite metal using reinforcement 10mm dia steel at 150mm c/cboth ways cost of transportation, hire charges of machinary, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of materials.	Cum	1089.00	2337.00	Rupees one thousand eighty nine and paise zero only

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	Description	Unit	Approved Qty	Approved Rate Technical Manager	
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6	Providing and fixing Pre cast solid concrete kerb stones of size 450 x 150 x 400 mmmade out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete.	Sqm	1634.00	477.00	Rupees Four hundred seventy seven and paise zero only
7	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.	Sqm	382.26	84.80	Rupees eighty four and paise eighty only
8	KSRRB M300-14.Excavation for roadwork in all types of soil by machinical means including cutting and loading to tippers, trimming bottomand sides slopes in accordance with requirments of lines grades and cross sections and transportations withn alead of 1.00km and complete as per specifications. MORTH Specification no.301 and 4kms lead for disposal	Sqm	282.26	57.03	Rupees fifty seven and paise three only
9	construction of granular sub-base grading-v as sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite material, mixing by mix in place method by rotavator at OMC spreading in uniform layers with motor grader on prepared surface and compactioning with vibratory power roller to achieve the 98% proctor density, complete as per specification. clause 401 of MORTH V revision	Nos	120.97	1855.00	Rupees one thousand eight hundred fifty five and paise zero only
10	KSRRB M400-17. Providing, Laying, Spreading and Compacting cushed stone aggregates of granite/ trap/basalt to wet ,ix macadam specifications including pre mixing the materials with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base /base coarse on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specification.	Sqm	161.29	2001.28	Rupees two thousand one and paise twenty eight only

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11	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occcuring during rolling including cost of all labour, HOM complete as per specifications. MORTH I Chapter 3	Sqm	806.46	6.36	Rupees six and paise thirty six
12	KSRRB M500-6Providing and applying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. clause 502 of MORTH V revision.	Sqm	806.46	33.92	Rupees thirty three and paise ninty two only
13	KSRRB 500-2 cleaning the existing black topped surface with Sqm brooms soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications clause 502 of MORTH V revision.	Sqm	4779.50	5.30	Rupees five and paise thirty only
14	KSRRB 500--11 Providing and laying bituminous macadam using 40/60 TPH Capacity H.M.P. with Mechanical paver Gr-II(50mm to75mm) with 3.4% VG-30 Bitumenon prepared surface with crushed coarse aggregates as per desing mix formula for base/ binding coarse including loading of aggregates with F.E> loader, hot Mixing of stone aggregates and bitumen in hot mix plant,transporting the mixed materials in tippers to paver and laying mixed materials with paver finisher to the required and grade complete as per specifications.	Cum	76.17	5962.50	Rupees five thousand nine hundred sixty two and paise fifty only
15	KSRRB 500--10 Providing and applying tack coat using 80/100 grade Sqm bitumen(VGIO) in boiler fitted with spray set distributor at the rate of 0.25 kg per Sqm on the existing prepared bituminous surface cleaned with mechanical broom, complete as per specifications. clause 503 of MORTH V revision.	Sqm	4779.50	12.72	Rupees twelve and paise seventy two

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16	providing and laying bituminous concrete 40mm thick with hot mix plant, using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4% of modified bituminous binder consisting of 4.97% of VG-30 bitumen(60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site laying with a paver finisher to required grade level and allignment rooling with smooth wheeled vibratory and tandem rollers to achive the desired compaction in all respects complete as per specifications	Cum	191.18	8699.42	Rupees eight thousand six hundred ninty nine and paise fourty two
17	KSRRB M800-13. Road marking with hot applied thermoplastic compound with reflectrising glass beads on bituminous surface / concrete surface : providing and laying of hot applied thermo plastic compound 2.5mm thick including reflectorising glass beads at 250gms per sqm area thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35 standards specified.complete as per specifications.	Sqm	283.50	454.74	Rupees four hundred fifty four and paise seventy four only
18	Directions and place indentification signs with size morethan 0.9 size board: providing and erecting directions and place identification retro- reflectorised sign as per IRC :67 made of high intensity grade sheeting vide clause 801.3 fixed over aluminium sheeting 2mm thick with area not exceeding 0.9 sqm supported on a mild steel single angel iron post 75X75X6 mm 2 Nos. firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45X45X60 cm, 60 cm below ground level as per approved drawing.	Sqm	2.43	7557.80	Rupees seven thousand five hundred fifty seven and paise eighty only

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